

PROCESS FOR THE PRODUCTION OF SPECIFIC ISOMER MIXTURES FROM OXINDOLE  
ALKALOIDS; ISOMERIZATION ACCORDING TO DEFINED PATTERN

Document Type: UTILITY

Inventors: Keplinger Dietmar (AT); Keplinger Klaus (AT); Laus Gerhard (AT)

Assignee: Immodal Pharmaka Gesellschaft mbH AT Assignee Code: 44763

Preissuance Assignment Actions: Reel: 008263 Frame: 0786

	Patent Number	Issue Date	Applic Number	Applic Date
Patent:	US 5723625	19980303	US 96725879	19961004
Cont.-in-part of:	ABANDONED		US 96687361	19960802
Priority Applic:			AT 94212	19940204

Calculated Expiration: 20160802

Abstract:

To produce defined isomer mixtures of compounds with spirocyclic beta-aminocarboxyl and/or beta-aminocarbonyl systems the invention supposes that they be dissolved in solvents which have good dissolving power for these compounds, whose relative permittivity is sufficient to stabilize the amphoteric intermediates occurring in isomerization, which as proton donors constitute hydrogen bridges, whose basicity is less than that of the compounds for isomerization and whose boiling point is so high that an adequate reaction speed can be attained by raising temperature. Further, the invention proposes that the isomerization be prevented, influenced, or terminated by altering at least one of these factors and or by altering the temperature.

Exemplary Claim:

D R A W I N G

1. A method of preparing a mixture of isomers of a spiro oxindole alkaloid, said mixture having a definable isomer pattern, said method comprising: defining said isomer pattern of said mixture of isomers, selecting an organic solvent being able to dissolve said oxindole alkaloid and being homogeneously miscible with water, selecting a concentration of said organic solvent, said concentration determining said defined isomer pattern, preparing a homogeneous solvent-agent comprising water and said organic solvent, and dissolving said oxindole alkaloid in said solvent-agent, said oxindole alkaloid being isomerized into said mixture of isomers according to said isomer pattern.

**BEST AVAILABLE COPY**